

Monthly Preliminary Report

MPR



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CV-Helios Network

Monthly Preliminary Report for February 2019

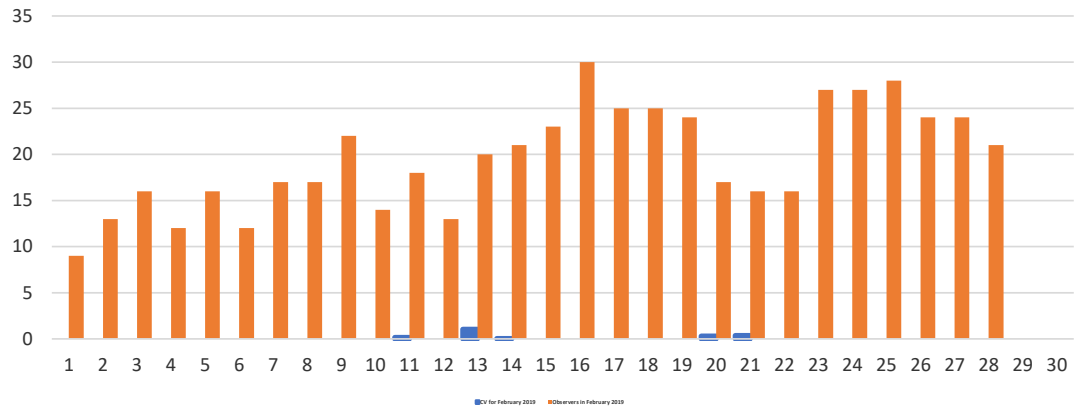
Solar Cycle 24: Month no. 124

Report id.: cv1902.xls - CV-report no.: 451

Memno.	Name	Country	CV	Obs	K	Obs. Tot.
CV-001	MALDE, KJELL INGE	NORWAY	0,1	16	2,196	8185
CV-009	BRAUCKHOFF, DIETER	GERMANY	0,1	23	1,528	919
CV-010	DUBOIS, FRANKY	BELGIUM	0,0	24	0,000	8325
CV-019	JUNKER, ELMAR	GERMANY	0,1	12	1,464	3301
CV-020	HOLL, MANFRED	GERMANY	0,0	13	0,000	5170
CV-021	BARNES, HOWARD	NEW ZEALAND	0,0	12	0,000	4146
CV-022	VIERTEL, ANDREAS	GERMANY	0,0	14	0,000	5419
CV-023	BRETSCHNEIDER, HAR	GERMANY	0,0	16	0,000	4752
CV-038	MORALES, GERMAN	BOLIVIA	0,0	23	0,000	6749
CV-040	BATTAIOLA, ROBERTO	ITALY	0,0	5	0,000	1727
CV-044	SCHRÖDER, GERD	GERMANY	0,0	14	0,000	4132
CV-077	JOHNSTON, ANDREW	UNITED KINGDOM	0,1	16	1,098	2755
CV-080	JANSSENS, JAN	BELGIUM	0,3	4	4,392	987
CV-082	URBANSKI, PIOTR	POLAND	0,0	17	0,000	4425
CV-086	TOS-POLAND	POLAND	0,1	28	1,882	7050
CV-091	DALEK, GRZEGORZ	POLAND	0,0	20	0,000	3830
CV-103	STEEN, OCTAAF	BELGIUM	0,1	22	2,395	4922
CV-104	MEEUS, LIEVE	BELGIUM	0,0	8	0,000	2199
CV-105	RYBACK, ALEXEY	RUSSIA	0,0	4	0,000	2797
CV-107	LEVENTHAL, MONTY	AUSTRALIA	0,0	18	0,000	4022
CV-122	FEIK, VLASTISLAV	CZECH REPUBLIC	0,0	20	0,000	2227
CV-135	ARAUJO, GEMA	SPAIN	0,2	28	3,137	5857
CV-139	ALONSO, JAVIER	SPAIN	0,0	18	0,000	3140
CV-151	CARELS, JEFFREY	BELGIUM	0,1	18	0,976	2307
CV-171	MALUF, WALTER JOSE	BRAZIL	0,0	10	0,000	1871

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Results				*CV-USAF prepared via data from Joint USDC/NOAA, SWPC/USAF		
Date	CV	Obsrvrs	*USAF-CV	std.dev.	CV-6 rot.	CV-13 rot.
1	0,00	9	0	0,00	2,38	3,33
2	0,00	13	0	0,00	2,38	3,25
3	0,00	16	0	0,00	2,35	3,18
4	0,00	12	0	0,00	2,28	3,15
5	0,00	16	0	0,00	2,11	3,14
6	0,00	12	0	0,00	1,95	3,14
7	0,00	17	0	0,00	1,90	3,14
8	0,00	17	0	0,00	1,89	3,14
9	0,00	22	0	0,00	1,88	3,14
10	0,00	14	0	0,00	1,89	3,14
11	0,17	18	0	0,12	1,89	3,14
12	0,00	13	0	0,00	1,90	3,15
13	1,05	20	0	0,74	1,91	3,15
14	0,05	21	0	0,03	1,91	3,16
15	0,00	23	0	0,00	1,91	3,14
16	0,00	30	0	0,00	1,90	3,12
17	0,00	25	0	0,00	1,90	3,11
18	0,00	25	0	0,00	1,90	3,11
19	0,00	24	0	0,00	1,89	3,10
20	0,29	17	0	0,21	1,86	3,11
21	0,38	16	0	0,27	1,86	3,11
22	0,00	16	0	0,00	1,83	3,11
23	0,00	27	0	0,00	1,81	3,11
24	0,00	27	0	0,00	1,81	3,10
25	0,00	28	0	0,00	1,80	3,10
26	0,00	24	0	0,00	1,80	3,10
27	0,00	24	0	0,00	1,80	3,09
28	0,00	21	0	0,00	1,80	3,10
Totals/ Avrgs	0,07	19,5	0,00	0,05	6,46	16,13

CV and CV observers



CV-13 rot. per February 2019

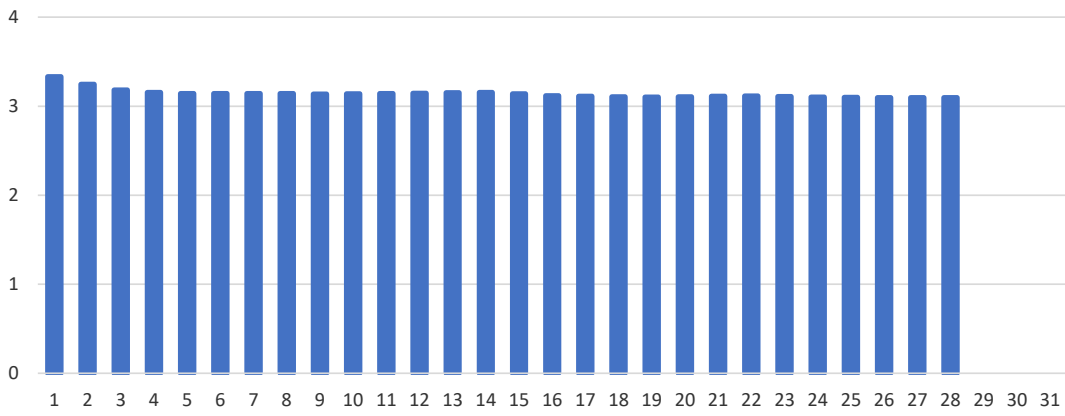
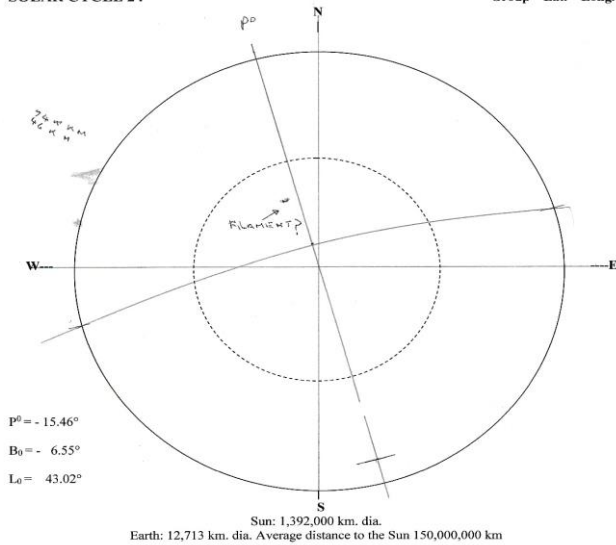


Image Reports

AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS
 SYDNEY CITY SKYWATCHERS, AUSTRALIA
 BRITISH ASTRONOMICAL ASSOCIATION
 SOLAR OBSERVERS SOCIETY, POLAND
 Lat. 33° 54'S - Long. 151° 15'E

E.A.S.T. DATE	10 th February 2019.	TIME 07+1hrs 35mins.
U.T. DATE	9 th February 2019.	UT: 21hrs 35mins.
INSTRUMENT: S.C.T. 10". F=2,500 mm. f/ 10. 40 mm Eyepiece. Full Aperture filter & 6Å H-alpha filter, f/ 32. Mag: X62.5		
ROTATION No. 2213 (at 00.00hrs). Synodic Rotation No. 24. CONDITIONS (3) Fair. WIND: SW. 18 - 19km/h		
TRANSPARENCY: (1) Very good, 40% Cumulus cloud, clearing. CURRENT TEMP: 20°C. 68°F.		

SOLAR CYCLE 24



Group Lat. Long.

NOTES: Region Nos. above Group Nos. for year - month in brackets above groups.
 Flares: 0 Prominences: 2 Filaments: 1 Faculae: 0 Plage: 0 Surges: 0 Active areas incl.: 3
 Total Sunspot groups: 0. Total single Sunspots: 0 Total Sunspots: 0. R = 0 C.M.E.: 0. Total C.V.: = 0
 Sun limb in medium motion. Total Q. CV = 0
 www.solarsociety.org NAME: Monty Leventhal OAM
 Supported by the Donovan Astronomical Trust.

☐ = Plage. ☐ = Faculae ☐ = Flare

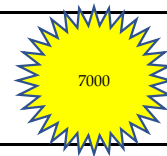
February 2019's regions

No regions were listed by NOAA, though there were observed small-pore activity on the 11th and 13th, and on 20th and 21st February

No regions produced any big threats for major flares.

CV-107 Monty Leventhal saw a small NW filament on the 9th February.

Congratulations to CV-086 TOS-POLAND who passed 7000 CV-observations on 09 January 2019!



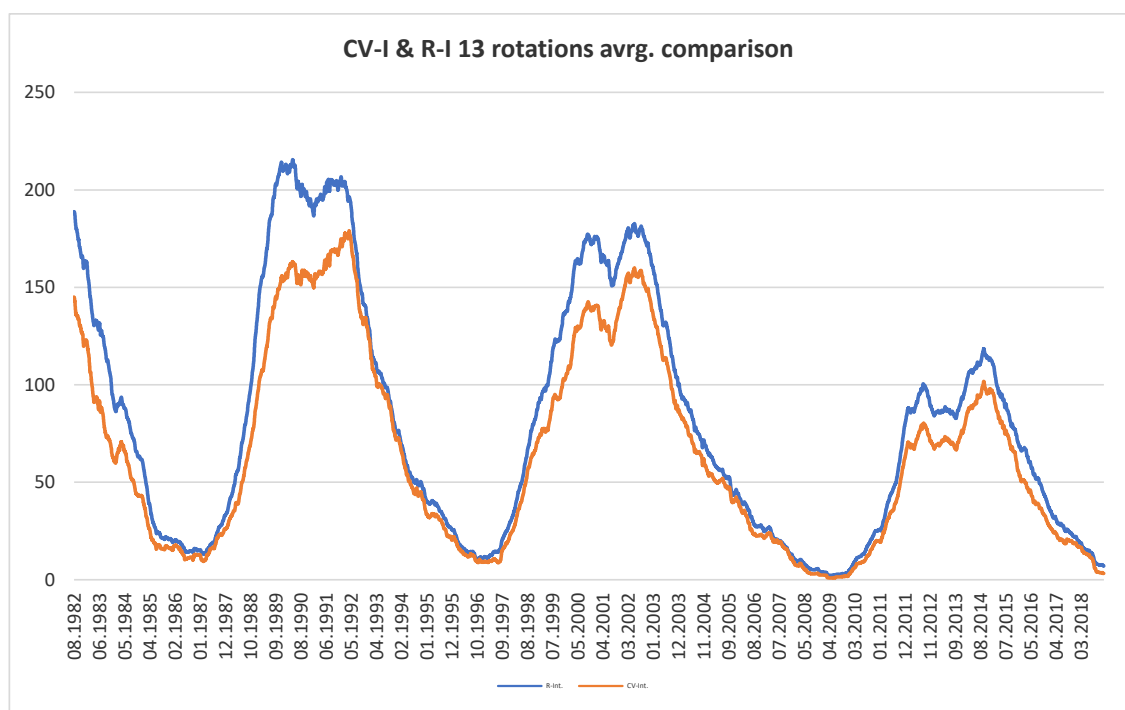
Re-joined member:

CV-190 Ruben Verboven has re-joined us!

We are now 52 active members

Please check out www.cv-helios.net/cvrep2.html for updates of files!

MINIMUM Cycle 24/25 is expected to occur between November 2019/May 2020. Latest: Predicted minimum April 2020. Value: Approx. 2008/2009 low values.



Solar Coordinates

Daily list of Solar Ephemeris for 2018 available at:

<https://www.cv-helios.net/helio2018/>

Here you can see Today's Po, Bo, Lo, Rotation no., RA and Dec. for the year 2018.

Comes with tilted Stoneyhurst-chart to use for observations!

Calculating CV

For your convenience and security, use the mif2002,

<https://www.cv-helios.net/mif2002.xls>

the Monthly Input Form, which you can use for all of your next reportings!

Note! A new .php script is going to be launched this year, instead of the old, outdated and unsecure .cgi that has been used for about 17 years.

Monitor MPR daily progress

CV-Helios Network: Monitor MPR progress as entries are made!

Monitor your submissions as they are registered:

<https://cv-helios.net/helios/cv/web/mprpost.html>

The data are available fresh from about 10:00 UTC until local midnight.

Content comprises CV-Report for latest month, CV-Report for latest month

individual results, Extracts from NOAA on forecasts/discussion,

Extracts from NOAA warehouse on SRS and other activity,

Last 24 months CV-data, This month CV acc. to USAF

Registration data

Check if your CV-observations have been registered:

<https://www.cv-helios.net/cgi/data/datlist.txt> for checking of Entries Summary

CONTRIBUTE WITH YOUR PHOTOS AND OTHER OF INTEREST!

We would like YOU to contribute with drawings or photos from last month

Also any other contribution that may have an interest for our observers.

Please send by email to:

cvhelios@gmail.com

SUBMISSIONS OF CV-OBSERVATIONS

Please note: We have improved! Please note the SECURE site "https" !

Please go to: <https://www.cv-helios.net/observations/index.html>

Log on to:

<https://www.cv-helios.net/observations/index.html>

login

solaris

password

cvheliosobs

We now use php-scripts that are safer!

Submission before 15th of proceeding month 18:00 UTC.

MPR issue 15th of month 2000 UTC. Good luck CV-observing!



CV-Helios Network

- over 36 years in solar amateur astronomy service!

There are now 10947 entries registered
containing 173912 CV-observations!

This MPR issued 15th March 2019



CV-Helios Network

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(NOTE! from Dec 2018 a SECURE site)

Worldwide Amateur Solar Observing Network
Magnetic Sunspot Classifications Zürich/McIntosh system
CV - Classification Values (Malde/1981) - numeric system
Serving Amateur Solar Astronomy since 1981

Editorial close: 15.03.2019 19:17 UTC